

1. Case arterial gas embolism → **stagnant hypoxia**
2. Cyanoid poisoning → **histotoxic hypoxia**
3. Co → **hypemic hypoxia** ... بتنقل hemoglobin
4. Skip breathing → **increase co₂**
5. Hyperventilation → hypocapnia - decrease co₂ -hypoxia → shallow water black out →
العلاج □ body skills + ascent
6. Co poisoning*cherry red* → drug of choice **1-O₂** ... 2-**hyperbaric**
7. Hypothermia → **chilling** *IMPORTANT*
اكثر سبب ليه □ **alcohol**
8. 27°C → **ventricular fibrillation**
33°C → **hallucination**
37°C → **chilling**
9. Hypothermia → نقص O₂ consuming
العلاج □ activate EMS
10. Loss of grasp = dexterity → **terminate diving**
11. How to improve cold tolerance → slide down in cold water on regular basis
12. Heat syncope → **sudden unconsciousness**
13. Hypovolemic → **exhausting heat**
14. Heat stroke → **permanent damage brain**
15. Near drowning → **alcohol + arterial gas embolism**
→ **stagnant hypoxia**
16. Hyperthermia → **shallow black water**
The major pathophysiology near drowning case of death → **hypoxemia**
17. Laryngospasm → no aspirate → pulmonary edema
negative pressure ..
العلاج □ **diuretics** *IMPORTANT*
18. Drinking water → **GIT distension**
العلاج □ **nasogastric tube**
salt water → infiltration
fresh water → artificial surfactant
19. Metabolic acidosis → **يقاوم** struggling
العلاج □ high level of bicarbonate

21. Neurological intact → good prognosis طلع كوييس
22. Positive and respiratory pressure → ب تعالج □ pulmonary edema مفتوحه ب يخللي → □ alveoli
23. امتي □ تستخدم ال antibiotic
24. Increase left atrium pressure → ischemia OR □ احسب □ fluid overload (72-69-68)
25. Bronchoscopy → لو بلع رمل gravel sand
26. Acclimitication
 - .hyperthermia → aldosterone
 - .hypothermia → thermogenin
27. Above 40.8 °C → convulsions - coma
28. Immersion □ عمر الماء remove effect of gravity
29. Cold → no peripheral blood الدم مش هيروح للأطراف Antibiotic → febrile - new pulmonary infiltrate - plurent secretion
31. Steroid → don't improve long term outcome
32. Extracorporeal membrane oxygenation → ب تعالج □ pulmonary injury → نتبيجه □ near browning
33. Increase CO₂ → the production > elimination → فتعمل □ hypercapnia *snorkeling*